

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU043019\  
 Data File : VU031640.D  
 Acq On : 30 Apr 2019 17:39  
 Operator : JC/SP  
 Sample : K2593-09DL 5000X  
 Misc : 5.0mL/MSVOA U/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0X73DL

Manual Integrations  
 APPROVED

MMDadoda  
 5/1/2019 11:16:33 AM

Quant Time: May 01 02:53:50 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM042719WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed May 01 01:38:49 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.88  | 114  | 689776   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.09  | 117  | 662313   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.48 | 152  | 228991   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.39    | 65    | 308437   | 53.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 106.86% |
| 7) Chloroethane-d5             | 1.68    | 69    | 227726   | 51.05    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 102.10% |
| 11) 1,1-Dichloroethene-d2      | 2.26    | 63    | 448771m  | 39.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 78.08%  |
| 21) 2-Butanone-d5              | 4.19    | 46    | 501168   | 95.82    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 95.82%  |
| 24) Chloroform-d               | 4.64    | 84    | 518004   | 48.99    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 97.98%  |
| 26) 1,2-Dichloroethane-d4      | 5.31    | 65    | 358543   | 51.91    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 103.82% |
| 32) Benzene-d6                 | 5.33    | 84    | 999498   | 49.14    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.28%  |
| 36) 1,2-Dichloropropane-d6     | 6.32    | 67    | 362401   | 50.65    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 101.30% |
| 41) Toluene-d8                 | 7.56    | 98    | 789094   | 44.55    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 89.10%  |
| 43) trans-1,3-Dichloropropene- | 7.85    | 79    | 134017   | 43.63    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 87.26%  |
| 47) 2-Hexanone-d5              | 8.31    | 63    | 271867   | 87.78    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 87.78%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.43   | 84    | 439142   | 45.73    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 91.46%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.86   | 152   | 228428   | 47.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.86%  |

| Target Compounds          |      |     |        |              | Ovalue |
|---------------------------|------|-----|--------|--------------|--------|
| 9) Trichlorofluoromethane | 1.87 | 101 | 9667   | 0.988 ug/L   | 95     |
| 34) Trichloroethene       | 6.18 | 95  | 702647 | 119.039 ug/L | 94     |
| 46) Tetrachloroethene     | 8.22 | 164 | 2816   | 0.700 ug/L   | 91     |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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